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[IT/IT]; Largo IV Novembre, 3, I-23035 Sondalo (IT).  
SANDSTRÖM, Theodor [SE/SE]; Skyttilinjen 245,  
S-226 49 Lund (SE). OLSSON, Lars-Fride [SE/SE];  
Västgötavägen 11, S-222 25 Lund (SE). WIESLANDER,  
Anders [SE/SE]; Väpplingevägen 17A, S-222 38 Lund  
(SE).

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(74) Agent: AHLBERG, Camilla; Gambro Lundia AB, P.O.  
Box 10101, S-220 10 Lund (SE).

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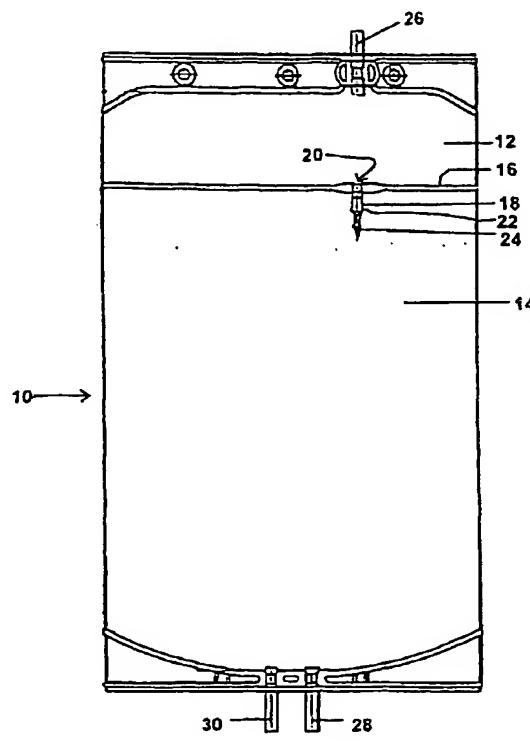
(71) Applicant (for all designated States except US): GAM-BRO LUNDIA AB [SE/SE]; Box 10101, S-220 10 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SASSO, Giuseppe

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(54) Title: MULTIPLE COMPARTMENT BAG ASSEMBLY FOR DIALYSIS FLUID



(57) Abstract: The invention concerns a multiple compartment flexible bag assembly including a first predetermined volume of an aqueous sodium bicarbonate component solution contained in at least one of the multiple compartments and a second predetermined volume of an aqueous acid component solution contained in at least another of the multiple compartments, the component solutions being intended to be mixed together to obtain a peritoneal dialysis, hemodialysis or replacement fluid, characterized in that the aqueous acid component solution comprises an amount of dissolved carbon dioxide. The partial pressure value of carbon dioxide exhibited by the aqueous acid component solution is preferably matched with the partial pressure value of carbon dioxide determined for the aqueous sodium bicarbonate component solution.